

Multi-tiered Screening For Spore Display

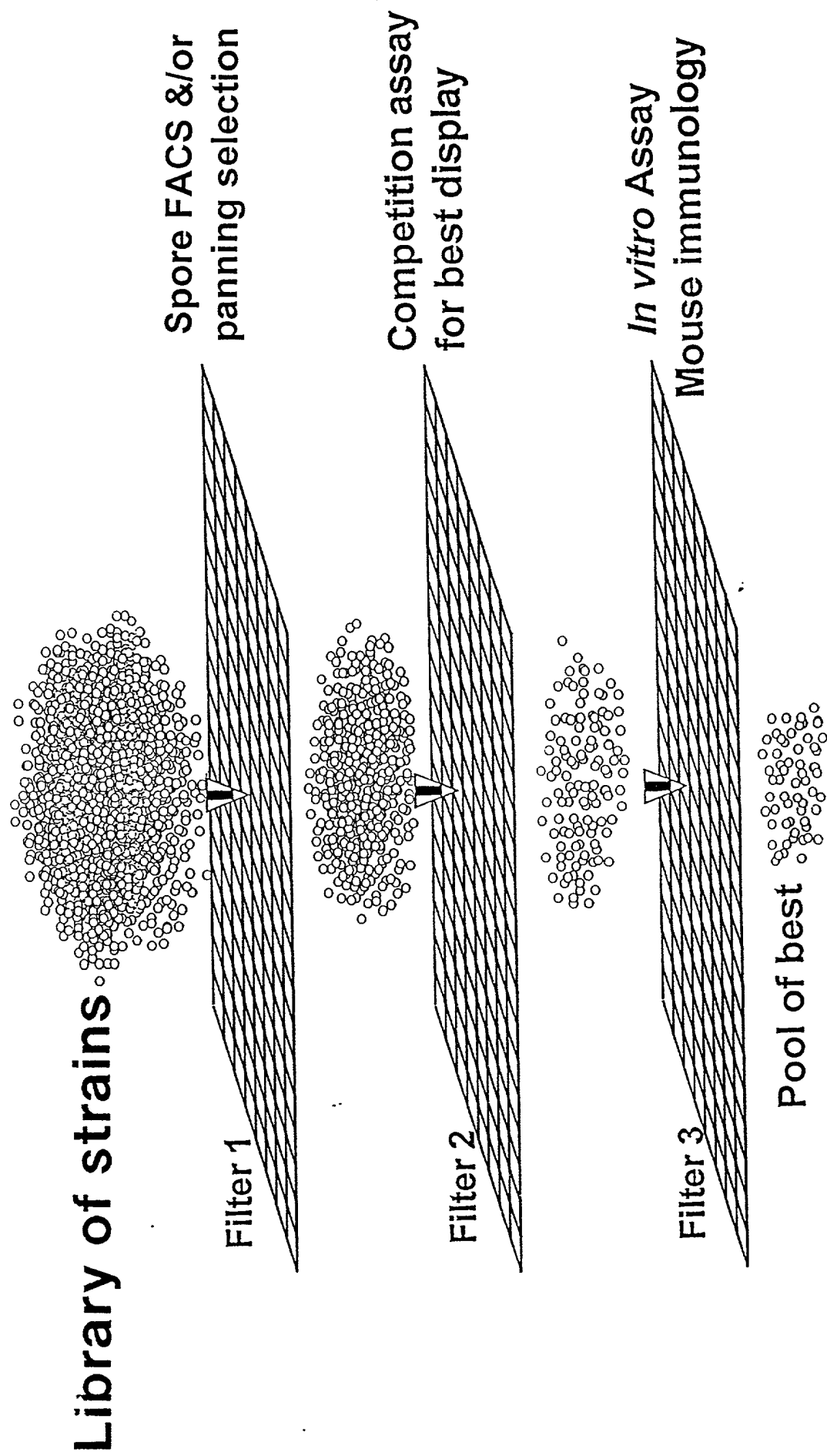


FIGURE 2

Spore Aerosol Vaccine Library

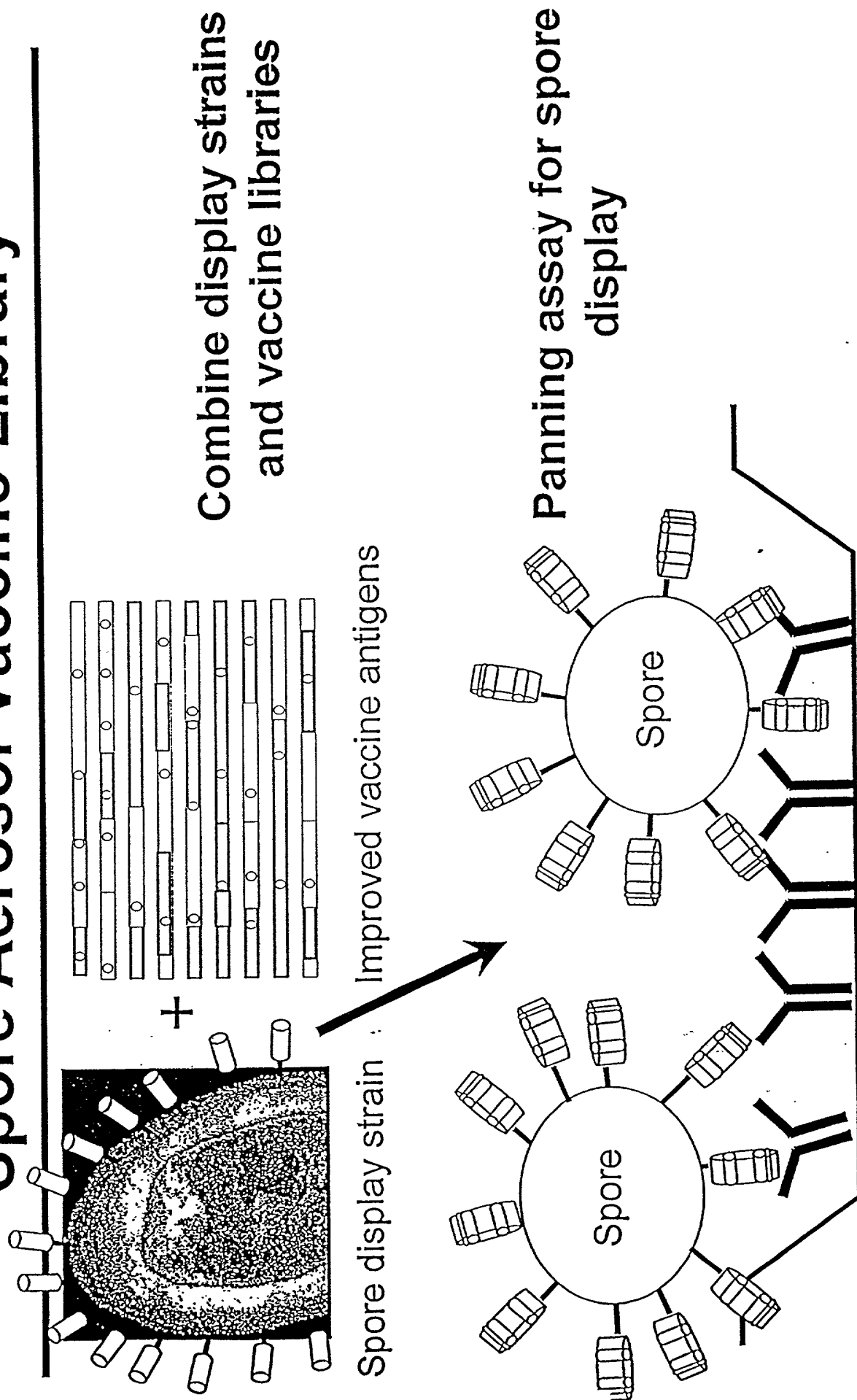
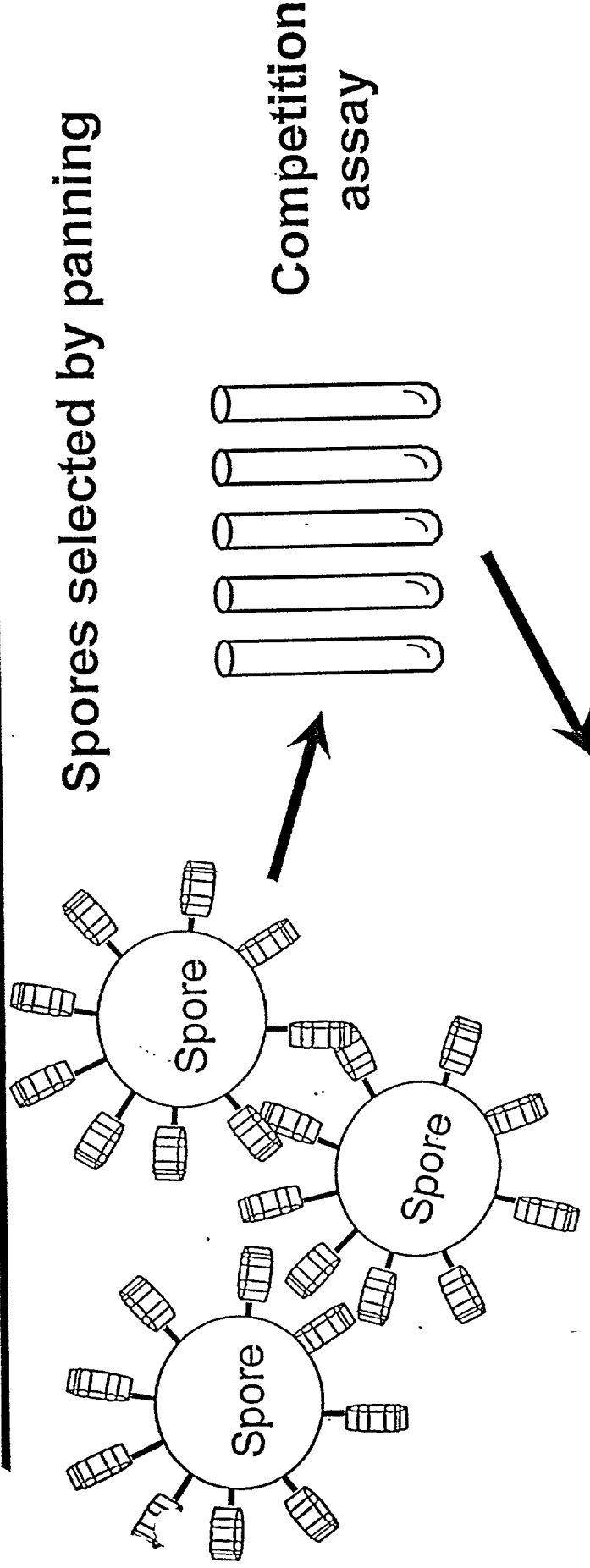


FIGURE 3

Spore Aerosol Vaccine Library



Immunize mice
In vitro assay
Pathogen challenge

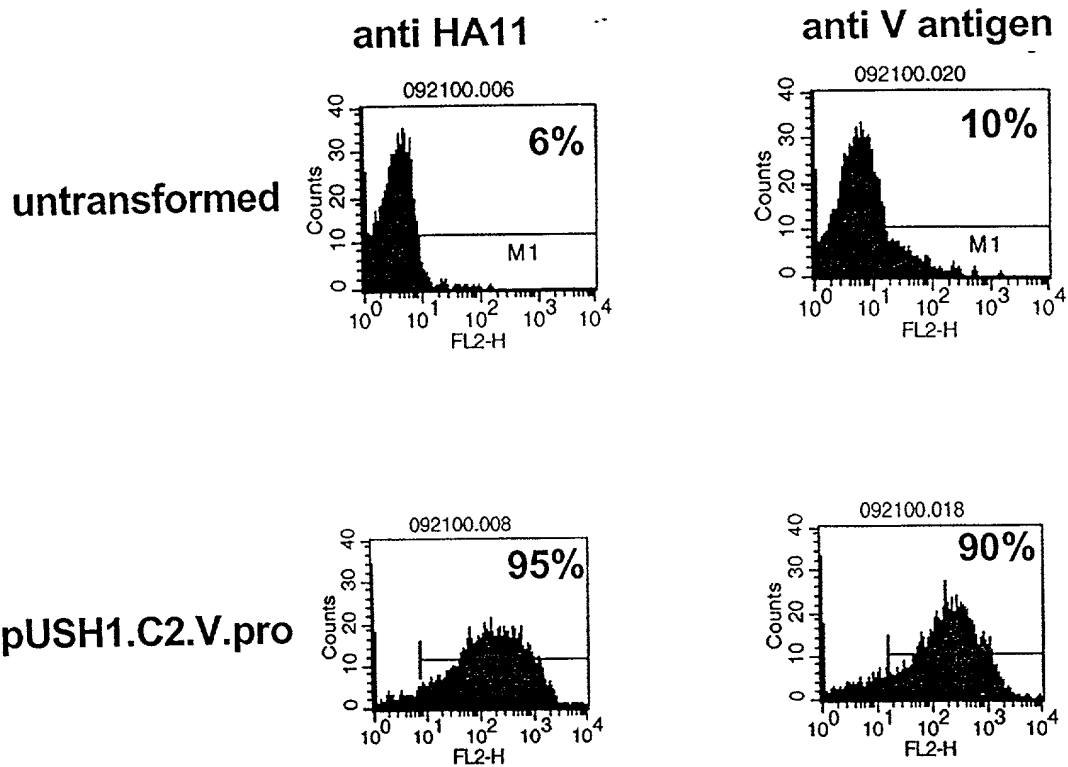


FIGURE 4

1 2 3 4

— — — —

— 98

— 62

— 49

— 38

— 28

— 17

— 14

— 6

— 3

FIGURE 5

Fig 6 BALB/c response to recombinant V antigen displayed on spores

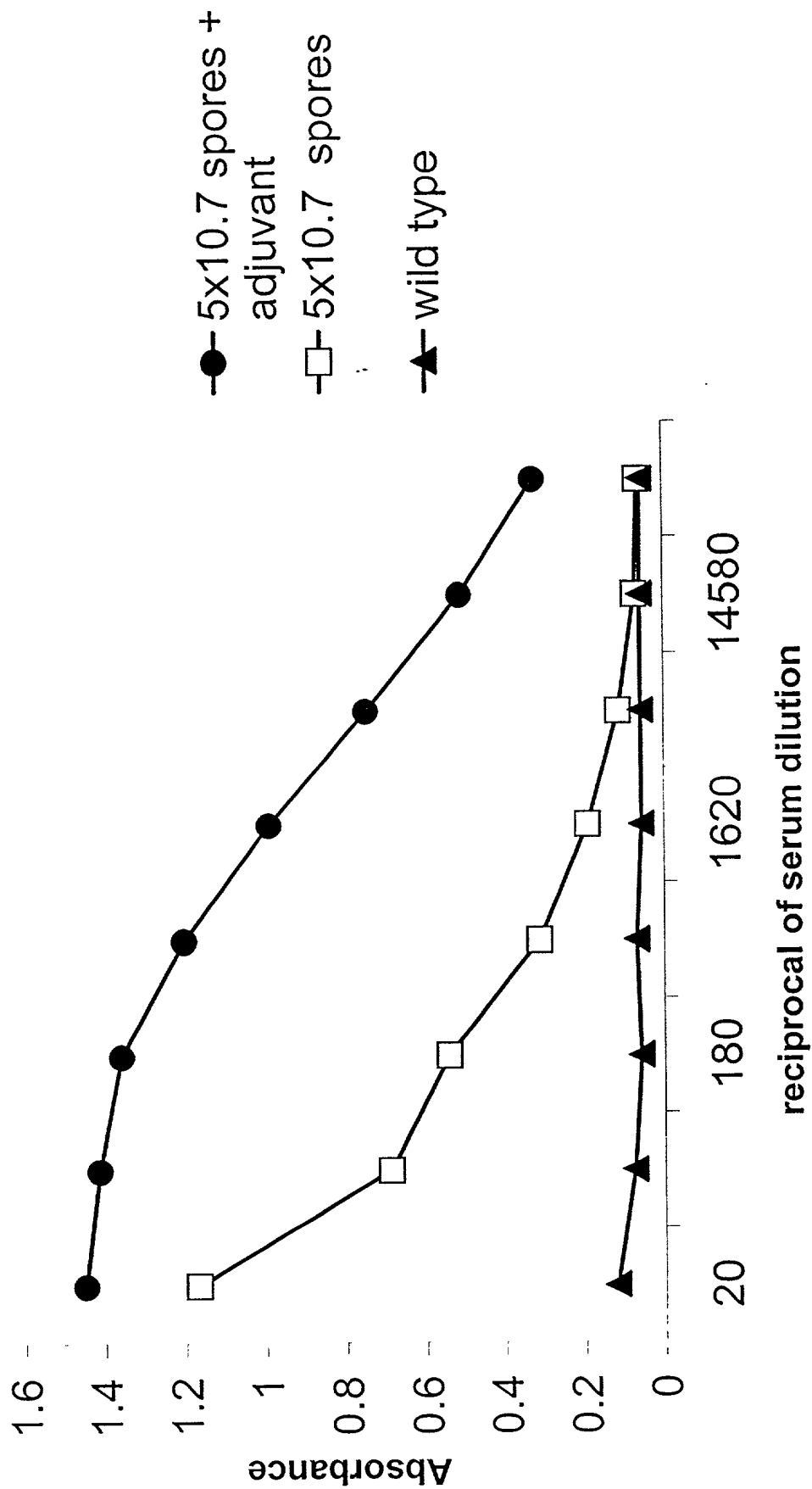
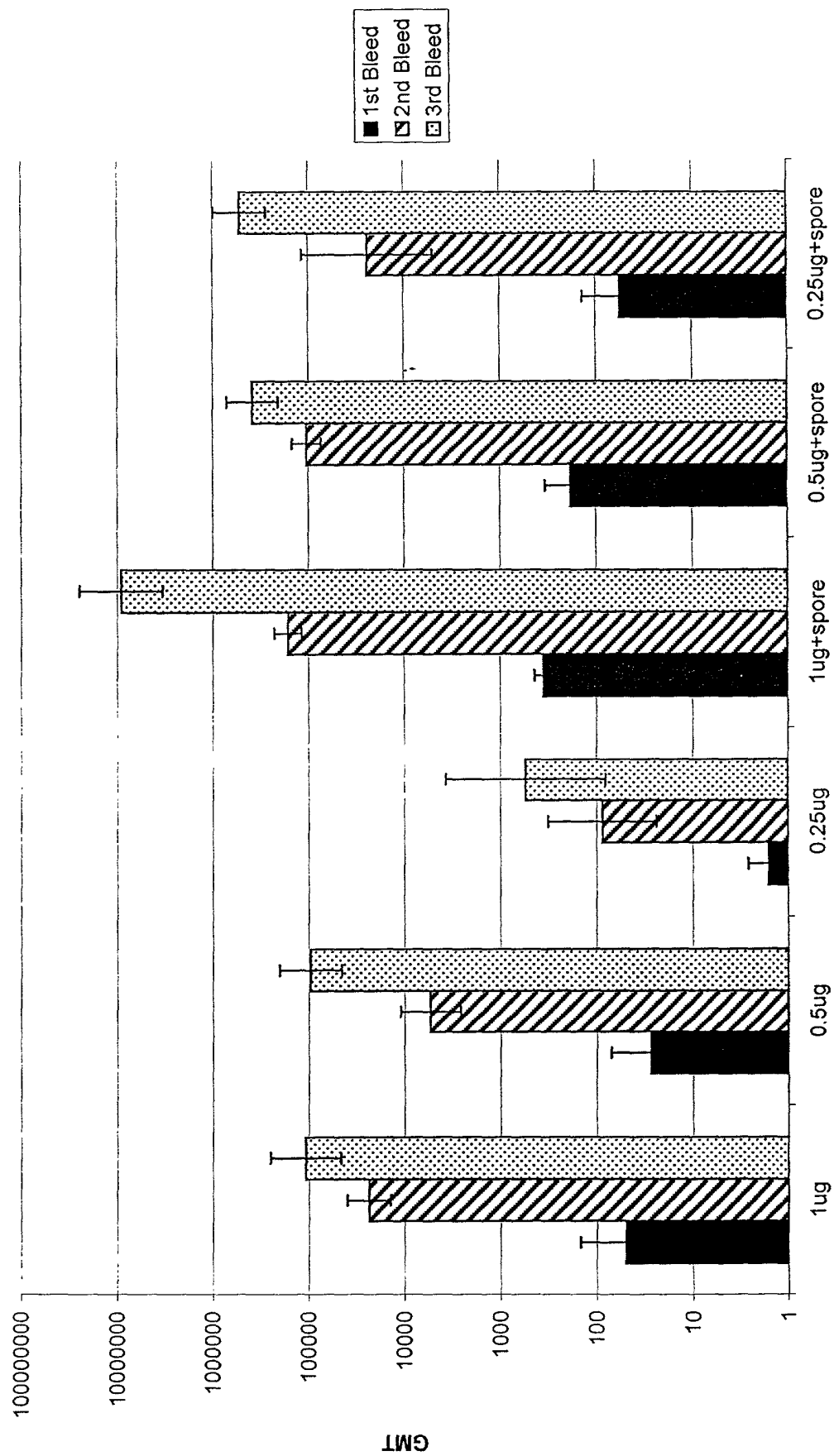


Fig 7 Adjuvant effect of spores on immune response to V antigen in BALB/c mice (n=10)



• Lipase Activity of Spore-Displayed Lipase

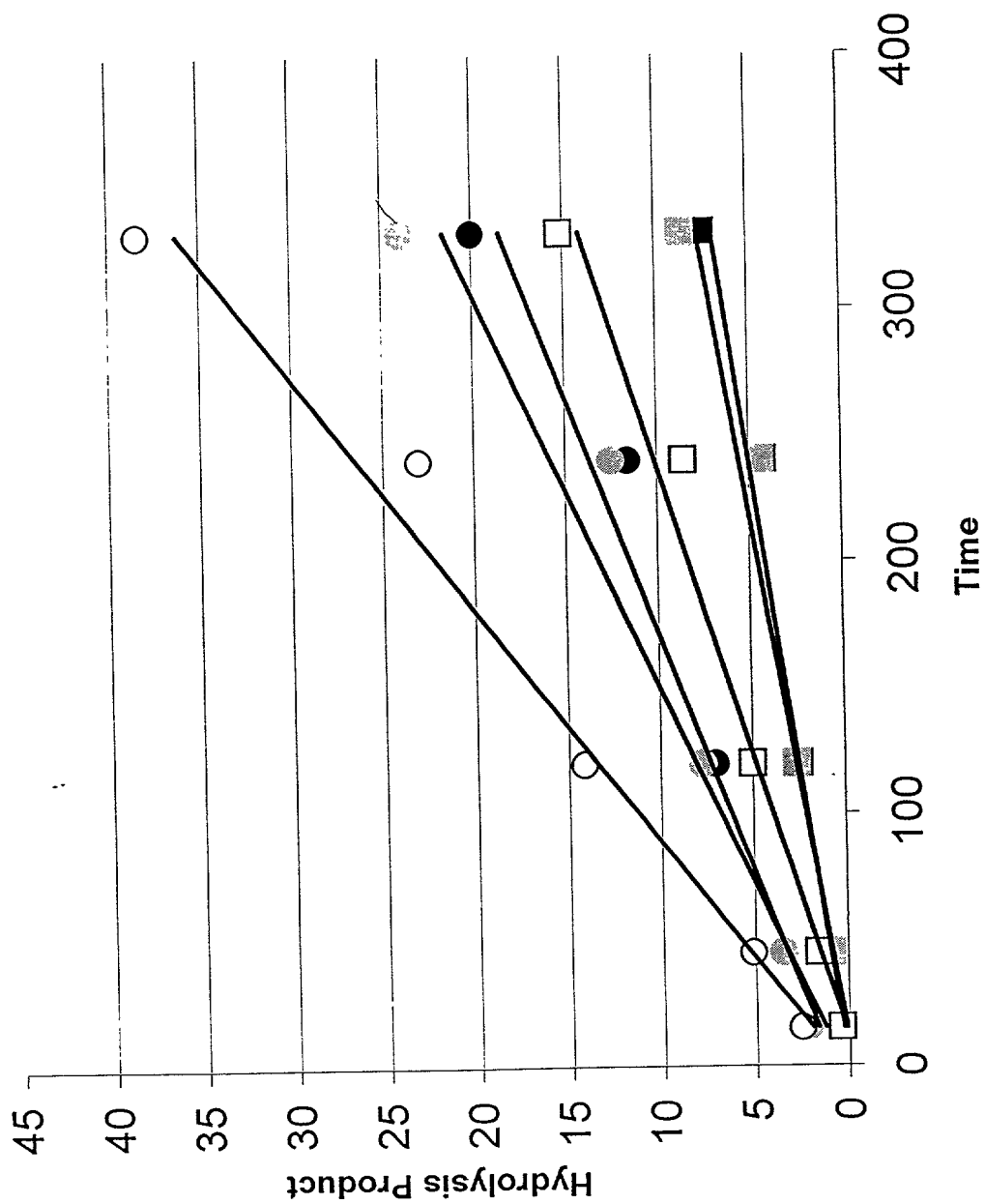


FIGURE 8

Serum anti-V antigen titers following oral immunization with recombinant spores

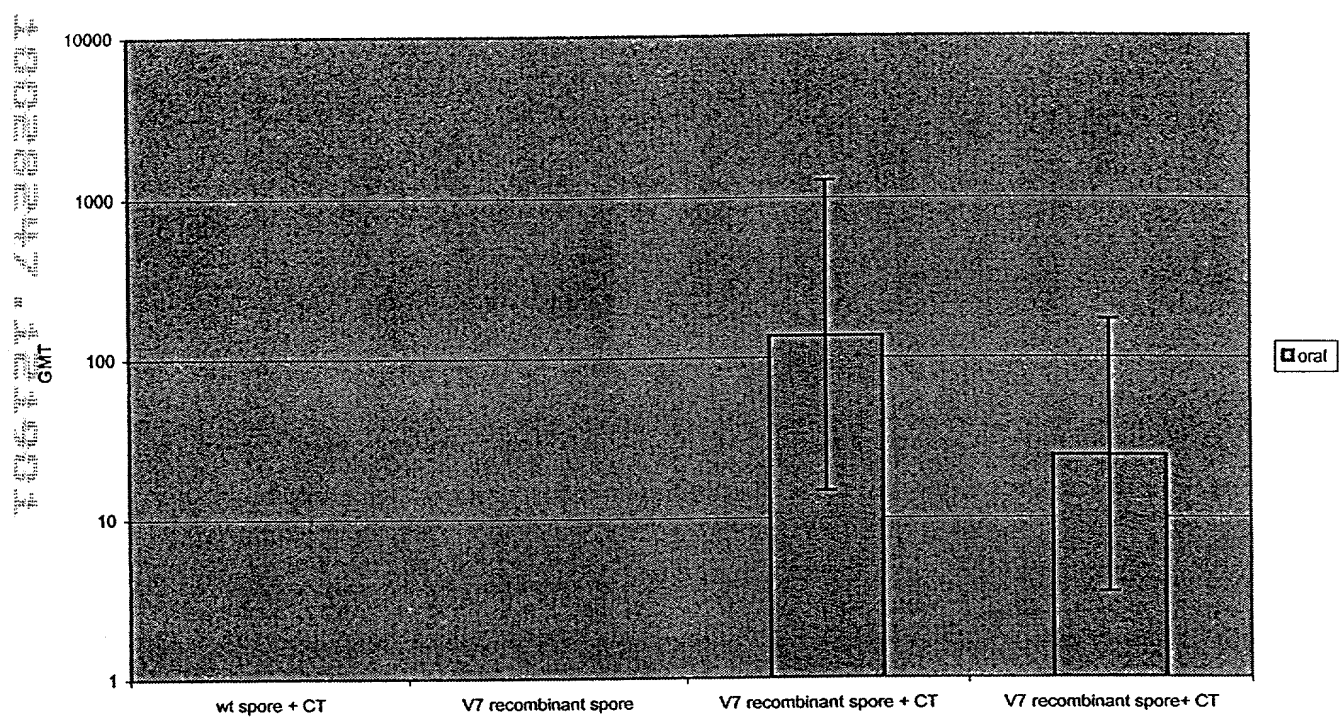


FIGURE 9

Serum anti-V antigen titers following nasal immunization with recombinant spores

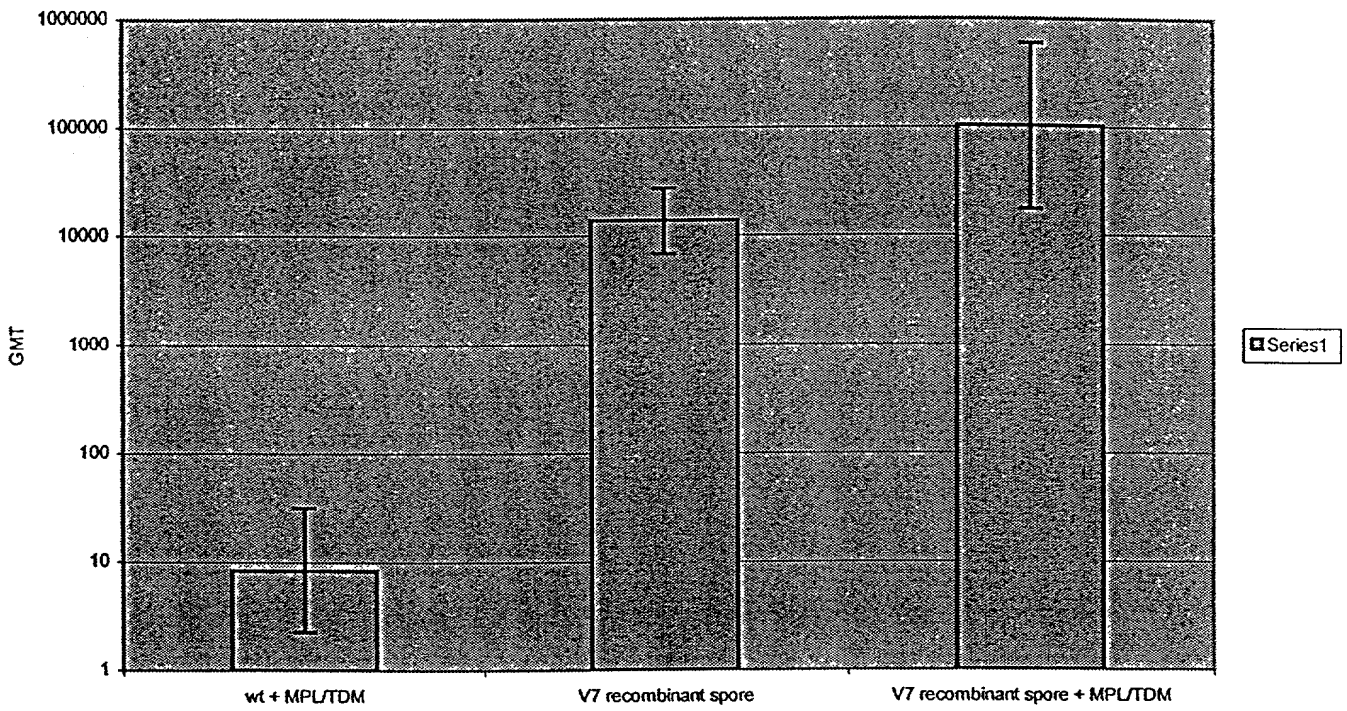


FIGURE 10

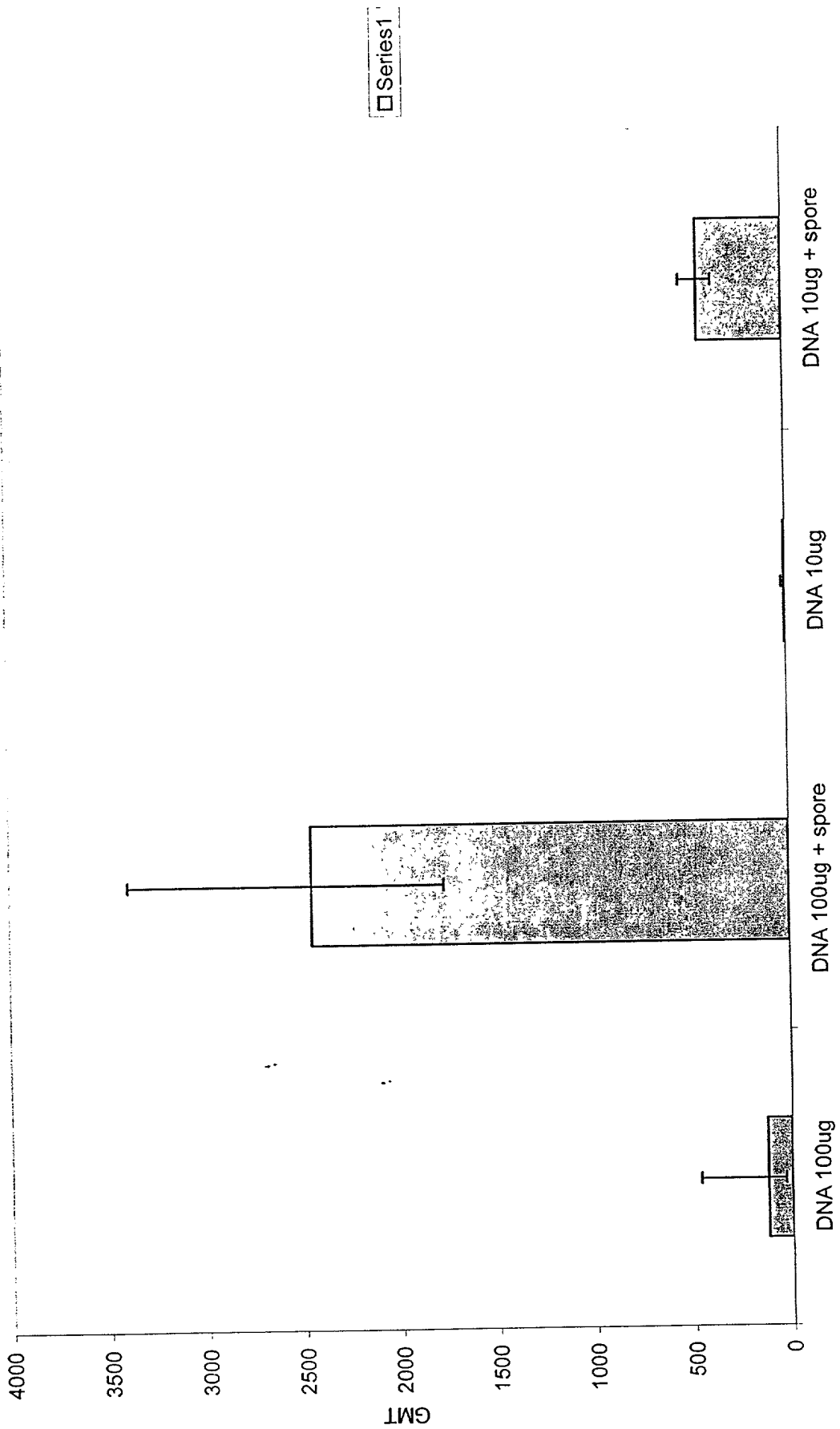
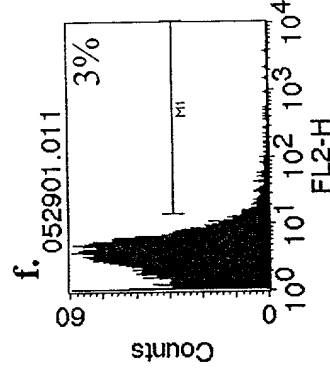
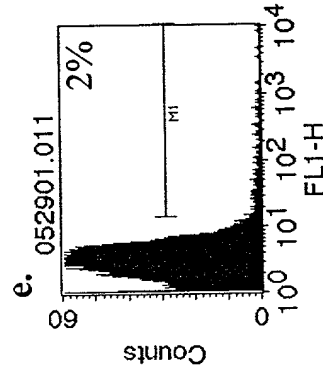
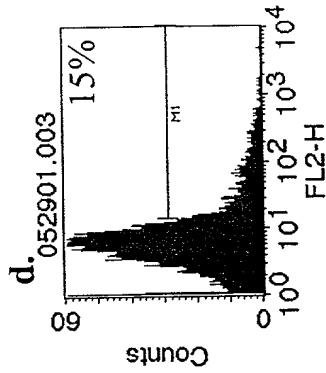
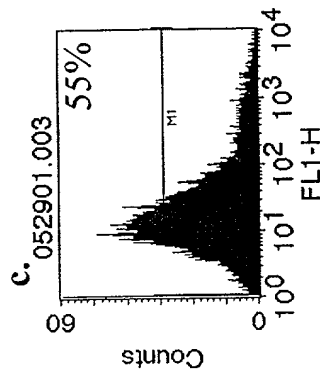
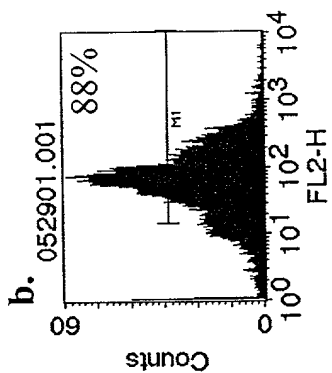
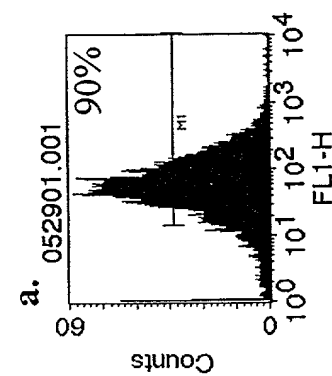


FIGURE 11

Figure 12

FITC stain

PE stain



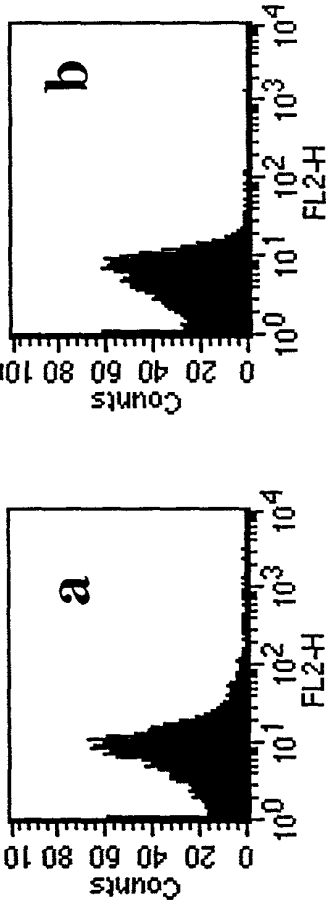
Double positive spores

HA11 positive spores

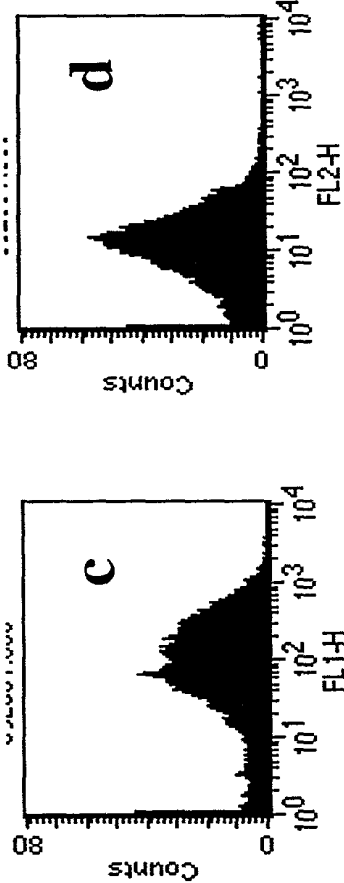
Non recombinant spores

Fig 13

anti HA anti c-myc



wildtype



double display

Figure 14. Mice injected with V7 or V7-LT double display spores

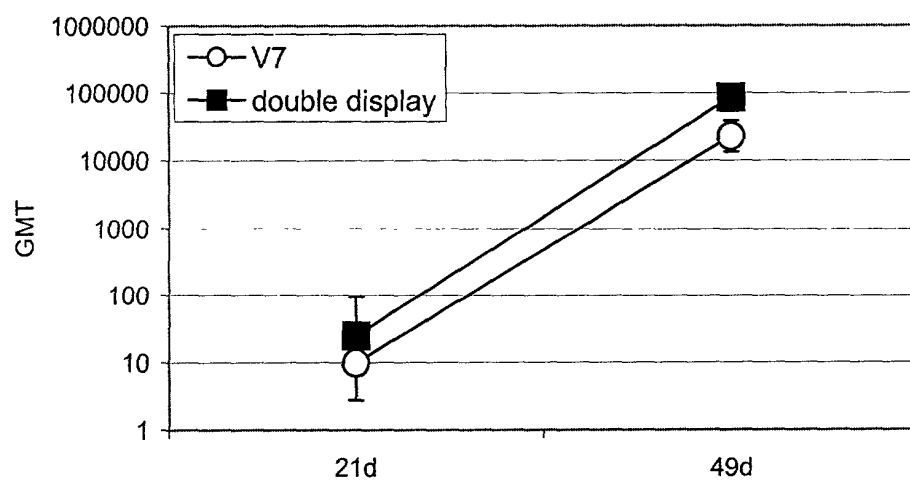


Figure 15. Responders to intranasal immunization

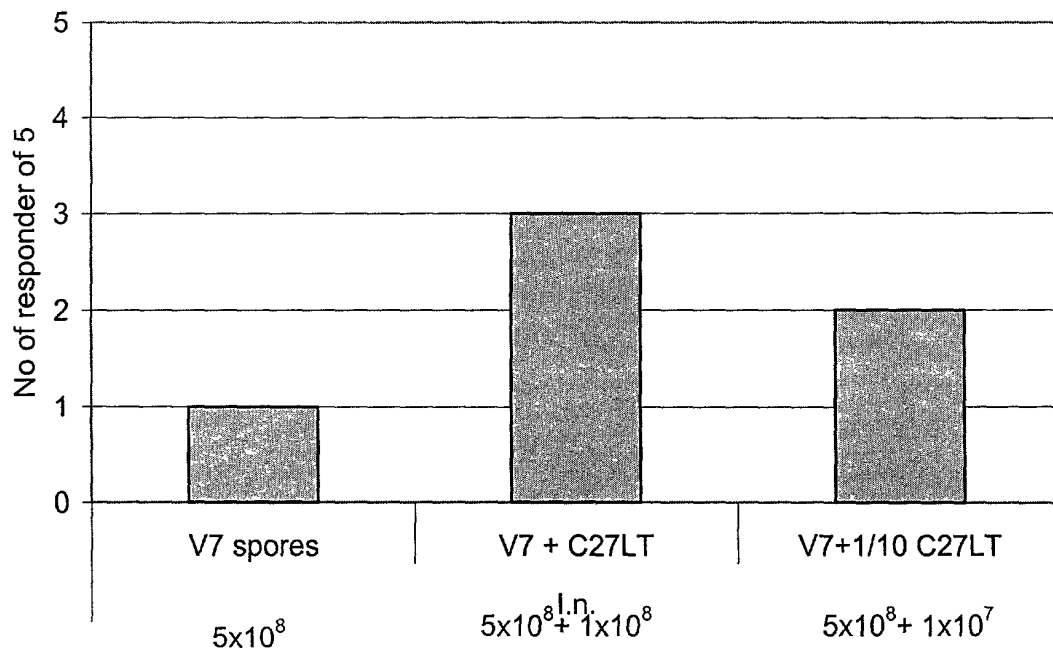


Figure 16. Serum anti V Ag titers in intranasally immunized mice

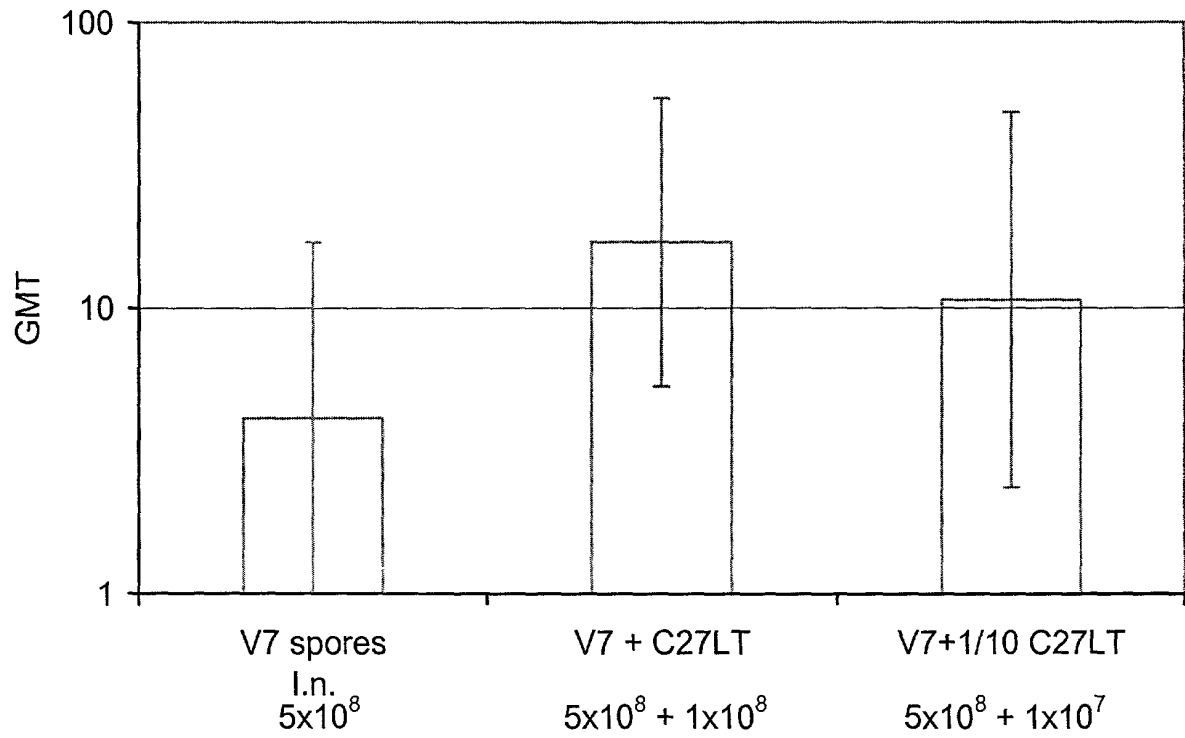


Figure 17

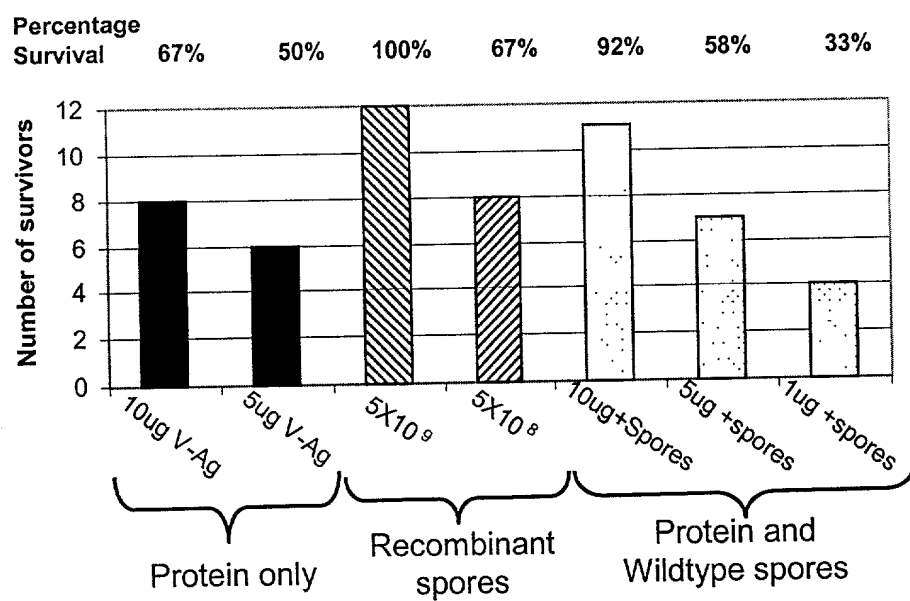


Figure 18

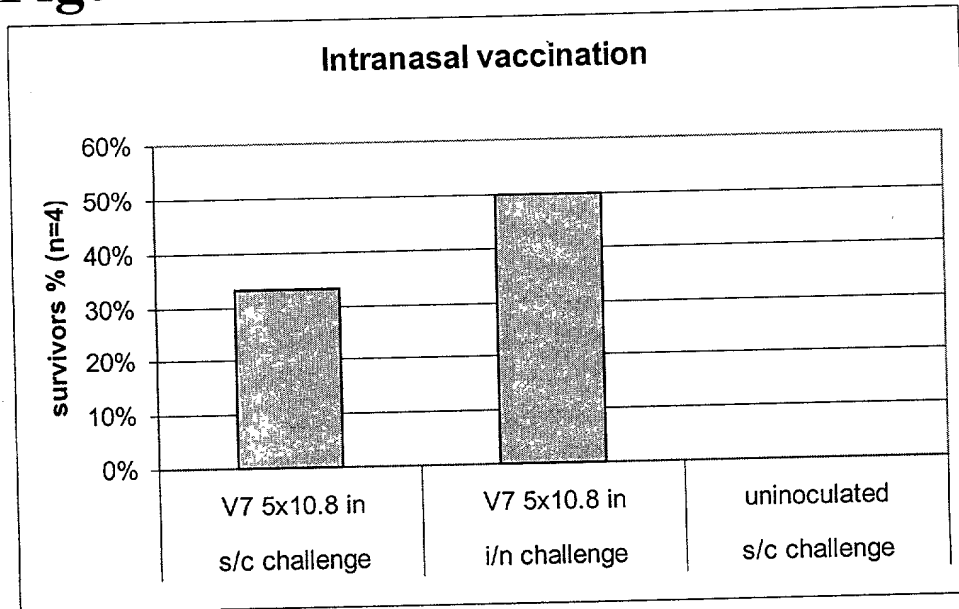


Fig 19

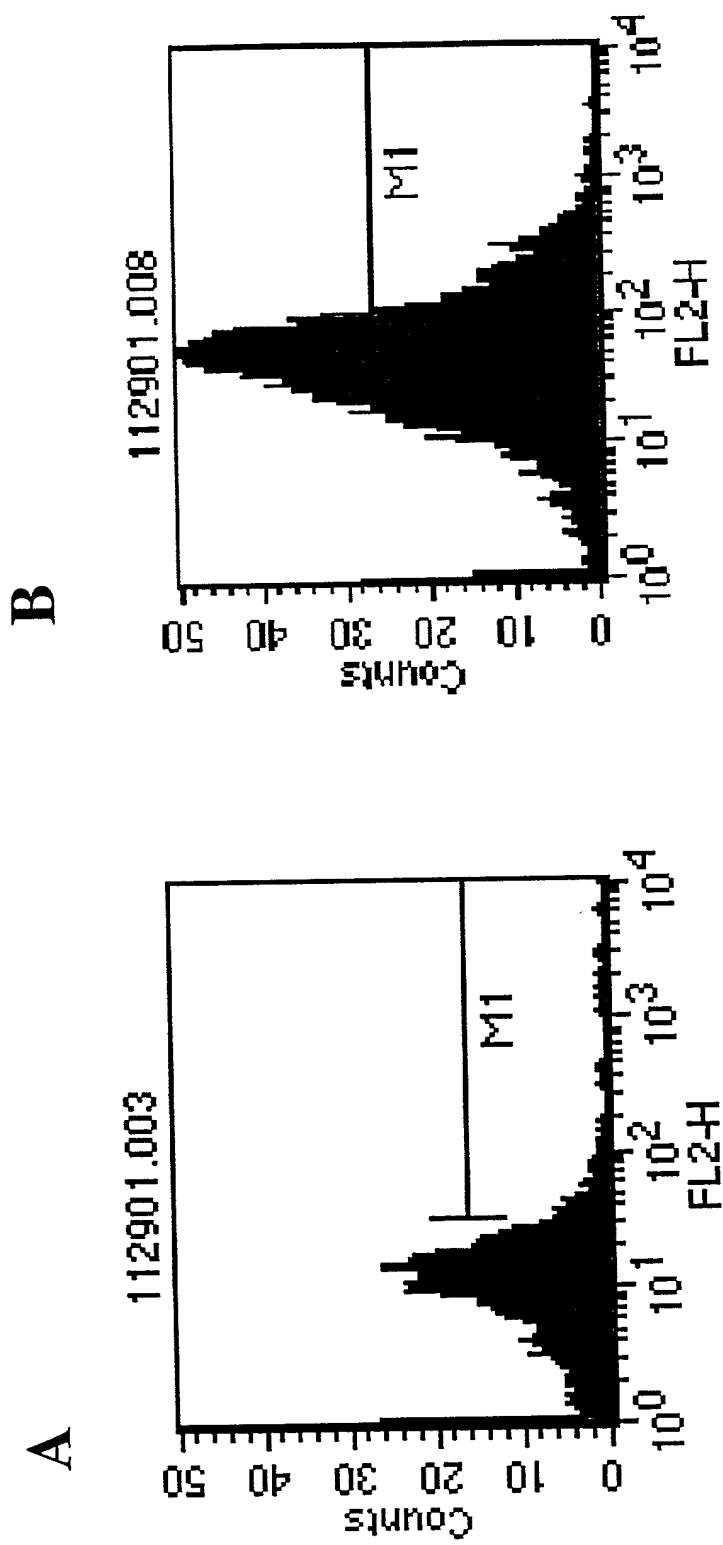


Fig 20

Effect of Cry1Ca Expressed on the Spores of *B. subtilis* on *Spodoptera exigua* neonates

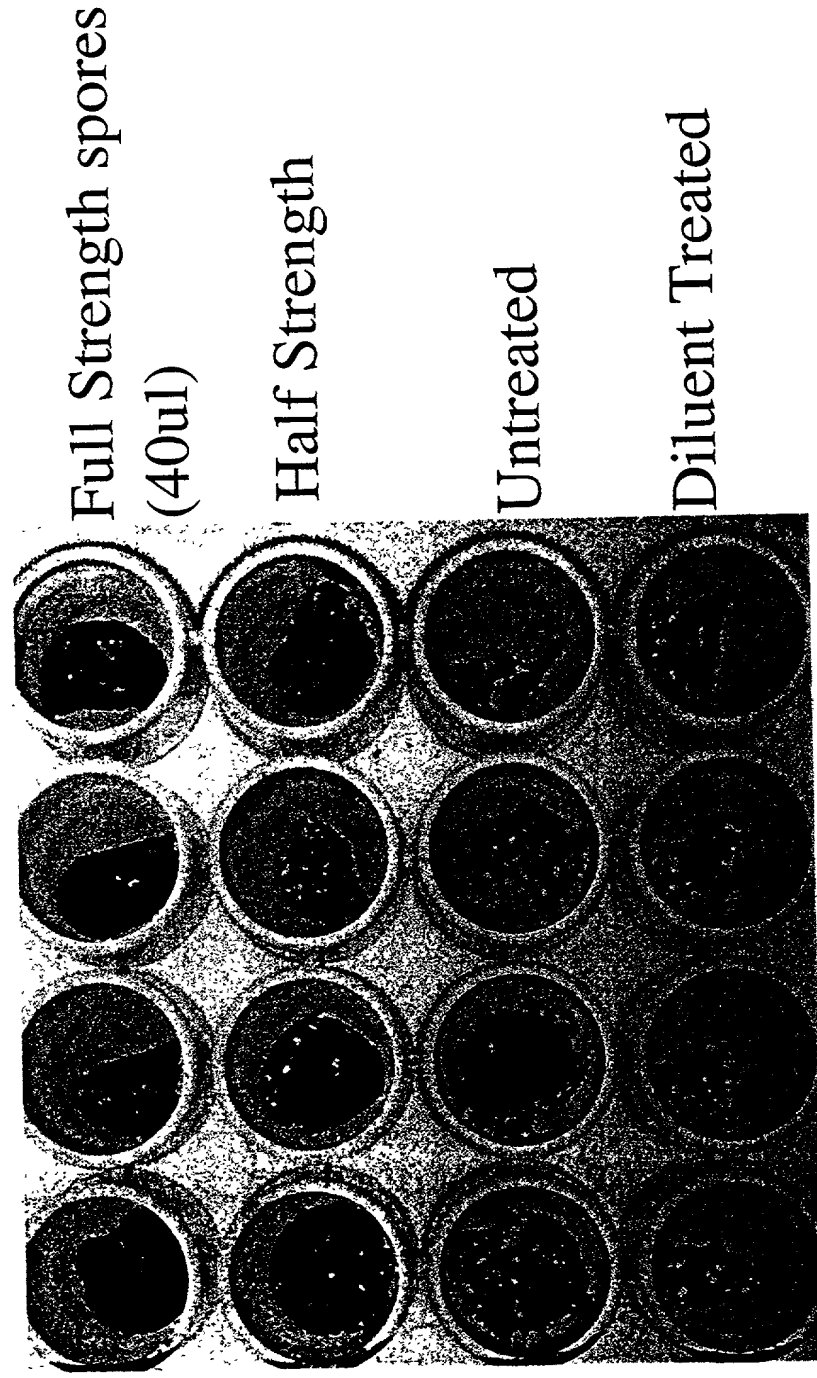
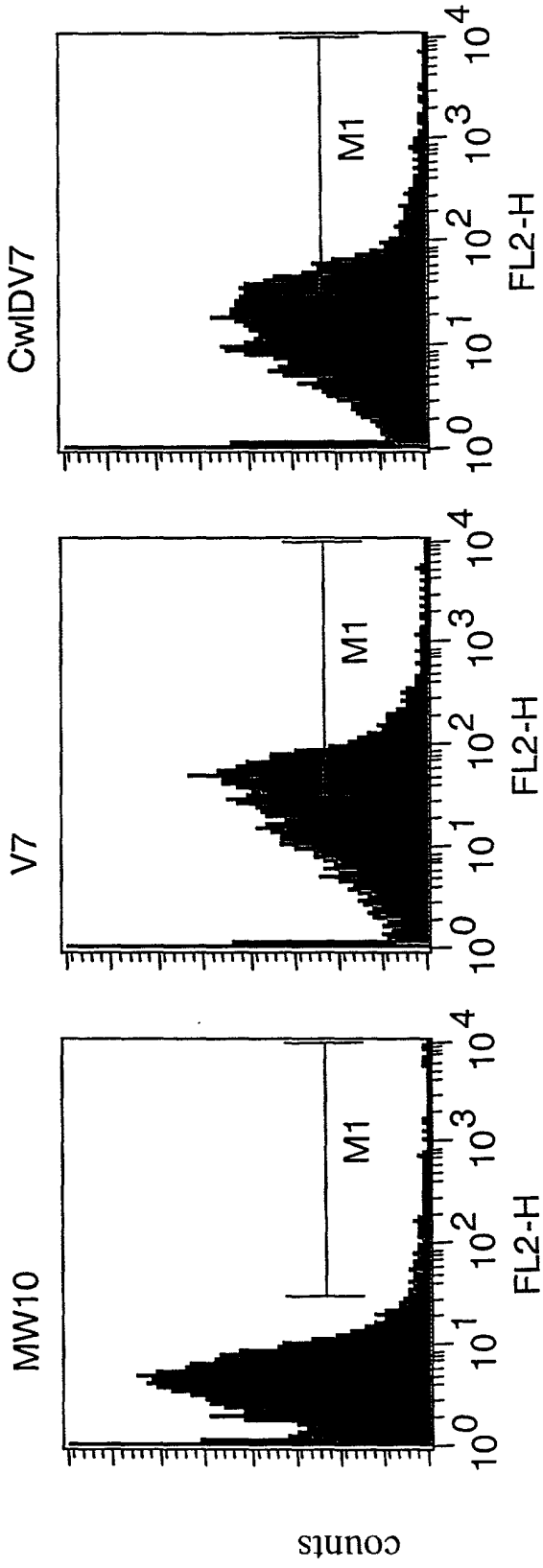


Fig 21



Fluorescence intensity

Fig 22

V-antigen Recombinant Spores in Mice

